

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) An optical labeling molecule comprising:
 - (a) at least one zwitterionic dye moiety;
 - (b) a titrable group moiety; and
 - (c) a functional linker moiety.
2. (Original) The labeling molecule of Claim 1 further comprising a cleavable moiety.
3. (Original) The labeling molecule of Claim 1 or 2 further comprising a second label.
4. (Original) The labeling molecule of Claim 3, wherein the second label is a light stable isotope label.
5. (Original) The labeling molecule of Claim 3, wherein the second label is a heavy stable isotope label.
6. (Original) The labeling molecule of Claim 1, wherein charges on the zwitterionic dye moiety are stable between pH 3-12.
7. (Original) The labeling molecule of Claim 1, wherein the linker is an amine-reactive linker.
8. (Original) The labeling molecule of Claim 1, wherein the linker is a thiol-reactive linker.

9. (Original) The labeling molecule of Claim 1, wherein the linker is selected from the group consisting of amino group reactive imidoesters, N-hydroxysuccinimidyl esters or sulfhydryl-reactive maleimides or iodoacetamides.

10. (Original) The labeling molecule of Claim 1, wherein the zwitterionic dye moiety comprises a BODIPY dye with at least one zwitterionic component.

11. (Original) The labeling molecule of Claim 1, wherein the labeling molecule has the general structure:



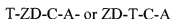
wherein ZD is the zwitterionic dye moiety, T is the titratable moiety, and A is linker moiety.

12. (Original) The labeling molecule of Claim 1, wherein the labeling molecule has the general structure:



wherein ZD is the zwitterionic dye moiety, T is the titratable moiety, and A is linker moiety.

13. (Original) The labeling molecule of Claim 2, wherein the labeling molecule has the general structure:



wherein ZD is the zwitterionic dye moiety, T is the titratable moiety, C is the cleavable moiety, and A is linker moiety.

14. (Original) The labeling molecule of Claim 3, wherein the labeling molecule has the general structure:



wherein ZD is the zwitterionic dye moiety, T is the titratable moiety, C is the cleavable moiety, I is the stable isotope moiety and A is linker moiety.

15. (Original) The labeling molecule of Claim 3, wherein the labeling molecule has the general structure:



wherein ZD is the zwitterionic dye moiety, T is the titratable moiety, C is the cleavable moiety, I is the stable isotope moiety and A is linker moiety.

16. (Original) A target protein labeled with the labeling molecule of Claim 1, wherein the linker is covalently attached to the target protein.

17-27 (Previously canceled)

28-57 (Canceled herein)